

Title (en)
OPTIMIZED TYRE FOR A VAN

Title (de)
OPTIMIERTER REIFEN FÜR TRANSPORTER

Title (fr)
PNEUMATIQUE POUR CAMIONNETTE OPTIMISE

Publication
EP 3898271 B1 20230208 (FR)

Application
EP 19870042 A 20191205

Priority
• FR 1900826 A 20190130
• FR 1873272 A 20181219
• FR 2019052943 W 20191205

Abstract (en)
[origin: CN113195244A] The invention relates to a tyre for a van and aims to improve the trade-off between rolling resistance and antagonistic performances such as the various types of grip (longitudinal/transversal, on dry/wet ground) and the wear. The tread (2) comprises raised elements (22) having a radial height Hs at least equal to 6.5 mm and at most equal to 11 mm, and having a volume groove ratio TEV at least equal to 18% and at most equal to 23%. The at least one elastomeric mixture of the tread (2) has a glass transition temperature Tg at least equal to -18 deg C and at most equal to -30 deg C, a Shore A hardness at least equal to 55 and at most equal to 66 and a dynamic loss tg delta at 23 deg C at least equal to 0.15 and at most equal to 0.29. The tyre has also an intermediate layer of an elastomeric mixture having a dynamic loss tg delta a at 23 deg C at least equal to 0.05 and at most equal to 0.15, at most equal to the dynamic loss tg delta of the materials of the tread.

IPC 8 full level
B60C 1/00 (2006.01)

CPC (source: EP)
B60C 1/0016 (2013.01); **B60C 1/0025** (2013.01); **B60C 9/2009** (2013.01); **B60C 11/005** (2013.01); **B60C 11/0306** (2013.01); **B60C 11/032** (2013.01); **B60C 11/033** (2013.01); **B60C 11/24** (2013.01); **B60C 2009/2016** (2013.01); **B60C 2009/2214** (2013.01); **B60C 2011/0016** (2013.01); **B60C 2011/0025** (2013.01); **B60C 2011/0033** (2013.01); **B60C 2011/0355** (2013.01); **B60C 2013/005** (2013.01); **B60C 2013/007** (2013.01); **B60C 2013/045** (2013.01); **B60C 2200/06** (2013.01); **Y02T 10/86** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 3090477 A1 20200626; BR 112021011042 A2 20210831; CN 113195244 A 20210730; CN 113195244 B 20220916;
EP 3898271 A1 20211027; EP 3898271 B1 20230208; FR 3090476 A3 20200626

DOCDB simple family (application)
FR 1900826 A 20190130; BR 112021011042 A 20191205; CN 201980082894 A 20191205; EP 19870042 A 20191205; FR 1873272 A 20181219